What is claimed is:

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- A filler material comprising:
 - (a) from about 60 to 95 percent by weight mineral oil;
- (b) less than about 10 percent by weight block copolymer selected from the group consisting of styrene-ethylene/butylene, styrene-ethylene/propylene, styrene-butadiene-styrene, styrene-isoprene-styrene, styrene-ethylene/butylene-styrene, styrene-ethylene/propylene-styrene, and combinations thereof;
 - (c) less than about 10 percent by weight petroleum wax;
 - (d) less than about 20 percent by weight hollow glass microspheres; and
- 10 (e) less than about 10 percent by weight thixotropic agent selected from the group consisting of clay, colloidal metal oxide, fumed metal oxide, and combinations thereof.
- 2. The filler material of claim 1, wherein the mineral oil is a paraffinic mineral oil or a naphthenic mineral oil.
 - 3. The filler material of claim 2, wherein the paraffinic mineral oil or a naphthenic mineral oil has less than about 15% aromatic content.
- 4. The filler material of claim 1, wherein the petroleum wax has a melting point of greater than about 90°C.
 - 5. The filler material of claim 1, wherein the petroleum wax is a polyethylene wax having a melting point greater than about 90°C.
 - 6. The filler material of claim 1, wherein the petroleum wax is a synthetic wax having a melting point greater than about 90°C.
- 7. The filler material of claim 1, wherein the hollow glass microsphere has a particle size of about 10 to 140 micrometers.

- 8. The filler material of claim 1, wherein the hollow glass microsphere has a true density of about 0.1 to 0.4 g/cm³.
- 5 9. The filler material of claim 1 where the fumed metal oxide is surface modified fumed silica.
 - 10. The filler material of claim 9, wherein the surface modified fumed silica has substantially hydrophobic surface.
- 11. The filler material of claim 1 having a viscosity of less than about 0.2 Pa·s at 110°C and shear rate of 40 sec⁻¹ as measured according to ASTM D-3236.
- 12. The filler material of claim 1 having a dielectric constant of less than or equal to 2.0 at 1 megahertz as measured according to ASTM D-150.
 - 13. The filler material of claim 1 having a melt drop temperature greater than 90°C as measured according to ASTM D-127.
- 20 14. The filler material of claim 1 having a dissipation factor at 1 megahertz of less than 0.001 as measured according to ASTM D-150.

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- 15. The filler material of claim 1 having a volume resistivity at 500 volts of greater than 10¹³ ohm-cm as measured according to ASTM D-257.
- 16. The filler material of claim 1 has a minimum viscosity, as described by the Power Law Fluid parameters, where the "n" value is 0.8 and the "k" value is 0.25Pa·s.
- 17. The filler material of claim 1 has a maximum viscosity, as described by the Power Law Fluid parameters, where the "n" value is 0.2 and the "k" value is 7.0 Pa·s.

- 18. An electrical cable comprising the filler material of claim 1.
- 19. A filler material comprising:
 - (a) from about 80.0 to 85.0 percent by weight mineral oil;
- (b) about 2.5 percent by weight styrene-ethylene/butylene-styrene block copolymer;
 - (c) about 3.0 percent by weight petroleum wax;
 - (d) from about 6.0 to 11.5 percent by weight hollow glass microsphere;
- 10 (e) about 3.0 percent by weight surface modified fumed silica; and
 - (f) about 0.2 percent by weight antioxidant or stabilizer.
 - 20. The filler material of claim 19, wherein the hollow glass microsphere has a true density of about 0.125 to 0.220 g/cm³.
 - 21. The filler material of claim 19, wherein the hollow glass microsphere has a particle size of 65 to 120 micrometers.
- The filler material of claim 19, wherein the antioxidant or stabilizer is selected from
 the group consisting of phenols, phosphites, phosphorites, thiosynergists, amines, benzoates, and combinations thereof.
 - 23. An electrical cable comprising the filler material of claim 19.

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